

6.2.4 Electric Conversion Factors and Transmission and Distribution (T&D) Losses

	Average Utility Delivery Efficiency (1, 2)	Average Utility Delivery Ratio (Btu/kWh) (2, 3)	Growth Rate (2008-year)
1980	29.3%	11,645	-
1981	29.8%	11,440	-
1982	29.6%	11,513	-
1983	29.7%	11,475	-
1984	30.4%	11,237	-
1985	30.2%	11,281	-
1986	30.7%	11,123	-
1987	31.0%	11,022	-
1988	31.0%	11,021	-
1989	30.0%	10,920	-
1990	30.1%	10,834	-
1991	30.3%	10,759	-
1992	30.5%	10,674	-
1993	30.5%	10,683	-
1994	30.7%	10,578	-
1995	30.5%	10,637	-
1996	30.5%	10,654	-
1997	30.6%	10,629	-
1998	30.6%	10,643	-
1999	30.4%	10,680	-
2000	30.5%	10,658	-
2001	30.9%	10,530	-
2002	30.9%	10,532	-
2003	31.1%	10,462	-
2004	31.1%	10,487	-
2005	31.3%	10,467	-
2006	31.5%	10,399	-
2007	31.6%	10,355	-
2008	31.6%	10,303	-
2009	31.8%	10,716	-4.0%
2010	31.9%	10,688	-1.9%
2011	32.1%	10,642	-1.1%
2012	32.3%	10,569	-0.6%
2013	32.6%	10,480	-0.3%
2014	32.6%	10,473	-0.3%
2015	32.7%	10,436	-0.2%
2016	32.7%	10,435	-0.2%
2017	32.7%	10,429	-0.1%
2018	32.7%	10,428	-0.1%
2019	32.7%	10,427	-0.1%
2020	32.7%	10,440	-0.1%
2021	32.7%	10,429	-0.1%
2022	32.7%	10,426	-0.1%
2023	32.7%	10,427	-0.1%
2024	32.7%	10,427	-0.1%
2025	32.7%	10,423	-0.1%
2026	32.8%	10,412	-0.1%
2027	32.8%	10,398	0.0%
2028	32.9%	10,380	0.0%
2029	32.9%	10,376	0.0%
2030	32.9%	10,362	0.0%
2031	33.0%	10,352	0.0%
2032	33.0%	10,337	0.0%
2033	33.1%	10,323	0.0%
2034	33.1%	10,307	0.0%
2035	33.1%	10,302	0.0%

Transmission and Distribution (T&D) losses as a:

Percent of Electric Generator Fuel Input	2.6%
Percent of Net Electricity Generated (4)	7.4%

Note(s): 1) Use these values to convert primary energy of electric generator fuel input to delivered energy. 2) Accounts for fuel conversion losses, plant use of electricity, and T&D losses. 3) Use these values to convert delivered electric energy to primary energy. 4) After fuel conversion losses and plant use of electricity.

Source(s): EIA, Annual Energy Outlook 2011 Early Release, Dec. 2010, Table A2, p. 3-5 for generator consumption and Table A8, p. 18-19 for electricity sales; EIA, Annual Energy Review 2009, Aug. 2010, Figure 8.0, p. 225 for T&D losses; EIA, State Energy Data Report 2008, Jun. 2010 Tables 8-12 for Electricity Consumption and Generator Fuel Consumption.